

02-11-02

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**UNITED STATES PATENT APPLICATION TRANSMITTAL FORM**

**BOX PATENT APPLICATION  
COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231**

Docket No.: SJO920010051US1

j1050 U.S. PTO  
10/072521  
02/06/02

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Sanjay Shyam, Stevan Charles Allen, Victor S. Liang and Savur Anand Rao

For: **REDUCING ABENDS THROUGH THE USE OF SECOND-TIER STORAGE GROUPS**

Enclosed are:

**XXX** Specification (12 pps.) consisting of: Description (7 pps); Claims (4 pps); Abstract (1 pp);

**XXX** 3 sheets of drawings;

**XXX** Declaration and Power of Attorney;

**XXX** Associate Power of Attorney;

**XXX** An assignment of the invention to: **ASSIGNEE NAME:**  
**INTERNATIONAL BUSINESS MACHINES CORPORATION,**  
**ASSIGNEE RESIDENCE: ARMONK, NEW YORK** including \$40.00 recordation fee and Assignment Recordation Form Cover Sheet;

\_\_\_ Information Disclosure Statement (with copies of patent);

\_\_\_ Form - PTO-1449;

\_\_\_ The undersigned attorney has verified that the applicant is entitled to a Small Entity Status; and

\_\_\_ Priority of U.S. Patent Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ is claimed under 35 U.S.C. §120.

\_\_\_ Priority of U.S. Provisional Patent Application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_ is claimed under 35 U.S.C. §119(e).

\_\_\_ A Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i).

The Filing Fee is calculated below.

CLAIMS AS FILED				
(1) For	(2) Number Filed	(3) Number Extra	(4) Rate	(5) Basic Fee \$740.00
Total Claims	21 - 20 =	1	x \$18.00	\$18.00
Independent Claims	3 - 3 =	0	x \$84.00	\$00
Multiple Dependent Claim Fee		x \$280.00 = \$0.00		
<b>TOTAL FILING FEE</b>		<b>\$758.00</b>		

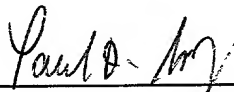
1/2 FILING FEE FOR SMALL ENTITY	\$0.00
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\_\_\_\_\_ No fee enclosed – filing by missing parts.

**XXX** The Commissioner is hereby authorized to charge the amount of **\$798.00** for the (\$758.00) filing fee and the (\$40.00) recordation of assignment fee and any additional fees under 37 C.F.R. §§1.16 and 1.17 which may be required with this communication or during the entire pendency of the application, or credit any overpayment, to **Deposit Account No. 01-0467**. A duplicate copy of this Form is enclosed.

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February 6, 2002  
Date of Signature

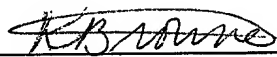


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**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Certificate No. **EV017941780US** service under 37 CFR §1.10 and is addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231 on February 6, 2002.

Kenroy A. Browne  
(Typed name of person mailing paper)



(Signature of person mailing paper)